

# SEQUENCE LISTING

<110> DRAKE, Caroline Rachel  
PAINE, Jacqueline Ann Mary  
SHIPTON, Catherine Ann

<120> Enhanced Accumulation of Carotenoids in Plants

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<150> PCT/GB2004/001241

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<150> US60/457,053

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 <212> PRT  
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<400> 14

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 35 40 45

Leu Lys Tyr Ala Cys Leu Gly Val Asp Pro Ala Pro Gly Glu Ile Ala  
 50 55 60

Arg Thr Ser Pro Val Tyr Ser Ser Leu Thr Val Thr Pro Ala Gly Glu  
 65 70 75 80

Ala Val Ile Ser Ser Glu Gln Lys Val Tyr Asp Val Val Leu Lys Gln  
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Ala Ala Leu Leu Lys Arg His Leu Arg Pro Gln Pro His Thr Ile Pro  
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Ile Val Pro Lys Asp Leu Asp Leu Pro Arg Asn Gly Leu Lys Gln Ala  
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Tyr His Arg Cys Gly Glu Ile Cys Glu Glu Tyr Ala Lys Thr Phe Tyr  
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Leu Gly Thr Met Leu Met Thr Glu Asp Arg Arg Arg Ala Ile Trp Ala  
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 Ala Ser His Ile Thr Pro Ser Ala Leu Asp Arg Trp Glu Lys Arg Leu  
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 Thr Glu Ser Val Tyr Ser Ala Ala Leu Ala Leu Gly Ile Ala Asn Gln  
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 Ile Tyr Leu Pro Gln Asp Glu Leu Ala Glu Ala Gly Leu Ser Asp Glu  
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Asn Phe Thr Lys Arg Ala Tyr Val Gly Lys Ala Lys Lys Leu Leu Ala  
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Asn Ser Gln Lys  
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 <212> DNA  
 <213> Capsicum annuum

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 <212> DNA  
 <213> *Lycopersicon esculentum*

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 <211> 891  
 <212> DNA  
 <213> *Erwinia* sp.

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 <213> *Erwinia* sp.

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 <211> 839  
 <212> DNA  
 <213> *Oryza* sp.

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 <213> Zea mays

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gcgccatggc	gtccgtggcc
gccaccacca	cgctggcacc
240	
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cgtcaacgct	cccaaagggt
360	
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gataaagcaa	gaaatgcagt
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cctgatgggtg	cattgcagca
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taagtttcag	tgattgggtc
atgtccaaag	ggggtactcg
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 <213> *Oryza* sp.

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<213> Artificial Sequence

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<220>
<223> Primer

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<212> DNA
<213> Artificial Sequence

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<220>
<223> Primer

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<220>
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<213> Artificial Sequence

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<220>
<223> Primer

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<400> 38

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• • • •

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32